

## MOTOR START-UP CURRENT CONTROL APPARATUS AND METHOD

### Abstract of the Disclosure

A motor current control method is provided to reduce voltage and current spikes within a spindle motor and a power supply. Subsequently, the amount of current applied to the spindle motor is monitored. In addition, an apparatus for limiting motor power is provided.

1. A motor current control method, comprising:  
a. providing a spindle motor and a power supply;  
b. reducing voltage and current spikes within the spindle motor and the power supply;  
c. monitoring the amount of current applied to the spindle motor;  
d. limiting motor power.